

Experiment guide

Requirements

- To have Mousotron installed on your computer (<http://www.blacksunsoftware.com/mousotron.html>)
- To have read the guide for the assigned language (SPARQL Generate, YARRRML or ShExML)

Task 1

Given the files in Table 1 write a script in the assigned language whose output is equal to the one in Snippet 1.

Format	URL
JSON	https://pastebin.com/raw/9NB2Uz5a
XML	https://pastebin.com/raw/dz7KXv5T

Table 1: Links to the books files

```
@prefix schema: <http://schema.org/> .
@prefix : <http://example.com/> .
@prefix dbr: <http://dbpedia.org/resource/> .

:9788448190330 :price 86.60 , 93.92 ;
    schema:author dbr:S._Sudarshan , dbr:Henry_F._Korth , dbr:Abraham_Silberschatz ;
    schema:name "Fundamentos de bases de datos" ;
    schema:publisher dbr:McGraw-Hill .

:9788448156718 :price 50.00 ;
    schema:author dbr:S._Sudarshan , dbr:Henry_F._Korth , dbr:Abraham_Silberschatz ;
    schema:name "Fundamentos de diseño de bases de datos" ;
    schema:publisher dbr:McGraw-Hill .

:9788478290857 :price 70.25 ;
    schema:author dbr:Shamkant_B._Navathe , dbr:Ramez_A_Elmasri ;
    schema:name "Fundamentos de sistemas de bases de datos" ;
    schema:publisher dbr:Addison-Wesley .
```

Snippet 1: Expected result on RDF Turtle

Task 2

From the result of task 1 divide the different prices so we obtain a :cervantesPrice triple and a :amazonPrice triple (see Snippet 2).

```
@prefix schema: <http://schema.org/> .
@prefix : <http://example.com/> .
@prefix dbr: <http://dbpedia.org/resource/> .

:9788448190330 :amazonPrice 93.92 ;
    :cervantesPrice 86.60 ;
    schema:author dbr:S._Sudarshan , dbr:Henry_F._Korth , dbr:Abraham_Silberschatz ;
    schema:name "Fundamentos de bases de datos" ;
```

```

schema:publisher dbr:McGraw-Hill .

:9788448156718 :cervantesPrice 50.00 ;
  schema:author   dbr:S._Sudarshan , dbr:Henry_F._Korth , dbr:Abraham_Silberschatz ;
  schema:name     "Fundamentos de diseño de bases de datos" ;
  schema:publisher dbr:McGraw-Hill .

:9788478290857 :amazonPrice 70.25 ;
  schema:author   dbr:Shamkant_B._Navathe , dbr:Ramez_A_Elmasri ;
  schema:name     "Fundamentos de sistemas de bases de datos" ;
  schema:publisher dbr:Addison-Wesley .

```

Snippet 2: Expected result after the division of price triples

Steps to follow

1. Open the link to the dedicated editor of the assigned language:
 - a. SPARQL Generate: <https://ci.mines-stetienne.fr/sparql-generate/playground.html>
 - b. YARRRML: <http://rml.io/yarrrml/matey/>
 - c. ShExML: <http://shexml.herminio.garcia.com/editor/>
2. Open Mousotron and reset it.
3. Start task 1.
4. Once task 1 is finished, stop Mousotron
5. Do a screenshot of the Mousotron result and save it following the naming scheme UOXXXXXX-1
6. Fill up the following form: <https://forms.office.com/Pages/ResponsePage.aspx?id=o3TqBcWSMUyXipJcPHmc0BOJF-fHlpNHIEKov4SeVfpUMFVRM1lXNig4UUZTUjY4VDkyQkZXSVFJT4u>
7. Reset Mousotron
8. Start task 2
9. Once task 2 is finished, stop Mousotron
10. Do a screenshot of the Mousotron result and save it following the naming scheme UOXXXXXX-2
11. Fill up the following form: <https://forms.office.com/Pages/ResponsePage.aspx?id=o3TqBcWSMUyXipJcPHmc0BOJF-fHlpNHIEKov4SeVfpUOTIQRIE4S0swWjBaQjNVVzhNMEw2RURLUC4u>
12. Send both screenshots to: garciaherminio@uniovi.es